

The ACCUPLACER® Tutorials are based on the next-generation ACCUPLACER test specifications. They provide students a more successful and less stressful preparation effort as they work to demonstrate college readiness on next-generation ACCUPLACER exams.

ACCUPLACER Arithmetic, Quantitative Reasoning, Algebra, and Statistics, Advanced Algebra and Functions, Reading, and Writing Tutorials offer targeted instruction, practice, and review. Students engage with the content in an interactive, feedback-rich environment as they progress through next-generation ACCUPLACER test aligned modules. Students practice skills essential to the test they're preparing for and build the depth of knowledge, confidence, and higher order skills required to demonstrate mastery when put to the test.

In each module, the Learn It and Try It make complex ideas accessible to students through focused content, guided analysis, and practice with personalized feedback so students are empowered to increase their Exam Readiness. The Review It offers an engaging and high impact video summary of key concepts and important to grasp connections. The Test It assesses students' mastery of the module's concepts, providing granular performance data to students and teachers, linking a student's performance to content dimensions and descriptions found in the test specification. To help students focus on the content most relevant to them, unit-level pretests and posttests can quickly identify where students are ready for test day and where they still need to review and practice.

This Tutorial is aligned with next-generation ACCUPLACER content dimensions and descriptions for Math and ELA test sections.

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1. ADDING AND SUBTRACTING RATIONAL NUMBERS

- **ADDING RATIONAL NUMBERS**
- **SUBTRACTING RATIONAL NUMBERS**
- **USING PROPERTIES TO ADD AND SUBTRACT RATIONAL NUMBERS**

2. MULTIPLYING AND DIVIDING RATIONAL NUMBERS

- **MULTIPLYING RATIONAL NUMBERS**
- **DIVIDING RATIONAL NUMBERS**
- **USING PROPERTIES TO MULTIPLY AND DIVIDE RATIONAL NUMBERS**

3. RATIONAL NUMBERS AND ABSOLUTE VALUE

- **USING OPERATIONS ON RATIONAL NUMBERS TO SOLVE PROBLEMS**
- **SOLVING MULTI-STEP PROBLEMS WITH RATIONAL NUMBERS**
- **ABSOLUTE VALUE**

4. RATIOS AND RATES

- **RATIOS**
- **RATES AND UNIT RATES**

5. RATE, RATIO, AND PROPORTION

- UNIT RATES
- IDENTIFYING PROPORTIONAL RELATIONSHIPS

6. USING PROPORTIONAL RELATIONSHIPS 1

- ANALYZING PROPORTIONAL RELATIONSHIPS
- REPRESENTING PROPORTIONAL RELATIONSHIPS

7. USING PROPORTIONAL RELATIONSHIPS 2

- USING PROPORTIONS TO SOLVE PROBLEMS
- UNIT CONVERSIONS

8. EXPONENTS

- EXPONENTS
- LAWS OF EXPONENTS

9. SCIENTIFIC NOTATION

- POWERS OF 10
- SCIENTIFIC NOTATION

10. ALGEBRAIC EXPRESSIONS

- AXIOMS OF EQUALITY
- FORMULATING AND SIMPLIFYING ALGEBRAIC EXPRESSIONS

11. WRITING EQUATIONS AND INEQUALITIES

- FORMULATING AND SOLVING EQUATIONS FROM WORD PROBLEMS
- FORMULATING AND SOLVING INEQUALITIES FROM WORD PROBLEMS

12. ONE-VARIABLE EQUATIONS AND INEQUALITIES

- SOLVING LINEAR EQUATIONS
- SOLVING LINEAR INEQUALITIES

13. GRAPHS OF LINEAR EQUATIONS AND INEQUALITIES 1

- SLOPE
- GRAPHING AND ANALYZING LINEAR FUNCTIONS

14. GRAPHS OF LINEAR EQUATIONS AND INEQUALITIES 2

- GRAPHING AND MANIPULATING $Y = MX + B$
- GRAPHS OF LINEAR INEQUALITIES

15. LINEAR EQUATIONS

- SLOPE-INTERCEPT FORM OF A LINEAR EQUATION
- POINT-SLOPE FORM OF A LINEAR EQUATION

16. TWO-VARIABLE LINEAR SYSTEMS

- SOLVING SYSTEMS OF LINEAR EQUATIONS: GUESS AND CHECK
- SOLVING SYSTEMS OF LINEAR EQUATIONS: GRAPHING

17. SOLVING TWO-VARIABLE LINEAR SYSTEMS ALGEBRAICALLY

- SOLVING SYSTEMS OF LINEAR EQUATIONS: SUBSTITUTION
- SOLVING SYSTEMS OF LINEAR EQUATIONS: ELIMINATION

18. PROBABILITY

- INTRODUCTION TO PROBABILITY
- COMBINATIONS AND PERMUTATIONS
- CONDITIONAL PROBABILITY

19. STATISTICS

- DATA ANALYSIS
- SCATTERPLOTS
- SCATTERPLOTS AND MODELING

20. AREA AND VOLUME

- AREA
- CIRCLES
- VOLUME

21. MIDPOINT AND DISTANCE FORMULAS

- LENGTH AND THE DISTANCE FORMULA
- MIDPOINT FORMULA ON THE COORDINATE PLANE

22. COORDINATE GEOMETRY

- PERIMETER ON THE COORDINATE PLANE
- AREA ON THE COORDINATE PLANE

23. TRANSFORMATIONS ON THE COORDINATE PLANE

- TRANSFORMATIONS ON THE COORDINATE PLANE
- DILATIONS, TRANSLATIONS, ROTATIONS, AND REFLECTIONS